**BRUHAT BANGALORE MAHANAGARA PALIKE**

**Project: Allied works for Sweep smart Project& other Repairs Works for DWCC centre in ward no 4**

| Sl. No. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Fabricating, supplying & erecting M.S. angular Truss of span upto 10m. The bottom & top member is provided with 50x50x6mm double equal angles, welded back to back and in between top & bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing No.CBS/ SD/K-Mantap/9/MND/97. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, | | | | | | | | |
| | **For Platform** | kg | Nos | Length/ area | | Kg/rmt/sqm | | | |
| | ISMB 150X200 | 1 | 15 | 4 | | 25.40 | 1524.00 | | |
| | C-channel | | | | | | | | |
| | ISMB 150X75 | 1 | 3 | 12.65 | | 14.90 | 565.46 | | |
| | | 1 | 9 | 4.1 | | 14.90 | 549.81 | | |
| | | 1 | | | | | | | |
| | MS square tube50mmX50mmX4mm | 1 | 4 | 4.1 | | 4.93 | 80.85 | | |
| | | 1 | 4 | 12.6 | | 4.93 | 248.47 | | |
| | MS Sheet 6mm thick@ 7850kg/m3 12.10X4.10X0.006x7850=2374.9 | 1 | 1 | 2374.90 | | | 2374.90 | | |
| | MS Gusset plate 320X320X12mmX7850=9.65 | 2 | 12 | | | 9.65 | 231.51 | | |
| | Angles for partition | | | | | | | | |
| | ISA 35X35X4mm below th roof | 8 | 4 | 4.1 | | 2.66 | 348.99 | | |
| | | 4 | 7 | 2.52 | | 2.66 | 187.69 | | |
| | ISA 35X35X4mm Above the roof | 8 | 4 | 4.1 | | 2.66 | 348.99 | | |
| | | 4 | 7 | 2 | | 2.66 | 148.96 | | |
| | for staircase ISMC 150 | 2 | 1 | 4.4 | | 16.40 | 144.32 | | |
| | | 2 | 1 | 1.25 | | 16.40 | 41.00 | | |
| | | 2 | 1 | 1.4 | | 16.40 | 45.92 | | |
| | steps 1.0mx0.25X4 | 13 | | 5.8905 | | | 76.58 | | |
| | For partition | | | | | | | | |
| | MS sheet 3mm thick @ 7850kg/m3 | 8 | | 178.038 | | | 1424.30 | | |
| | For Landing | | | | | | | | |
| | MS sheet3mm thick @ 7850kg/m3 1.05x1.2 | 2 | | 29.673 | | | 59.35 | | |
| | | | | | | Total KGs | **8401.09** | 138.24 | **1161367** |
| | ***Pg No 43 It No 7.30 of PWD SR 2018-19*** | | | | | | | | |
| | ***Basic rate*** | ***128.00*** | | | | | | | |
| | ***Area Weightage 8%*** | ***10.24*** | | | | | | | |
| | ***Final Rate*** | ***138.24*** | | | | | | | |

| Sl. No. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 2 | Providing and fixing M.S. fixed railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the items and sections should be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. | | | | | | | | |
| | | sqm | | | | | | | |
| | For Platform | | 1 | 16.1 | | 0.90 | 14.49 | | |
| | for staircase | | 2 | 4.8 | | | 23.13 | 3067.20 | 709 |
| | *Pg No 44 It No 7.35 of PWD SR 2018-19* | *2840.00* | | | | | | | |
| | *Basic rate* | *227.20* | | | | | | | |
| | *Area Weightage 8%* | *3067.20* | | | | | | | |
| | *Final Rate* | | | | | | | | |
| 3 | KSRB 15-18.2 : Providing and applying enamel metal paint two coats ( excluding priming coat ) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No. 120 Item No. 15.74 of SR 2015-16). | | | | | | | | |
| | | Sqm | | | | | | | |
| | for gate & grill | | 2 | 10.9 | | 5.00 | 109.00 | | |
| | | | | | | | 109.00 | 102.60 | 11 |
| | *Pg No 123 It No 15.74 of PWD SR 2018-19* | *95.00* | | | | | | | |
| | *Basic rate* | *7.60* | | | | | | | |
| | *Area Weightage 8%* | *102.60* | | | | | | | |
| | *Final Rate* | | | | | | | | |
| 4 | KSRB 15-17.6 : Providing and applying painting two coats ( excluding priming coat ) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.No. 118, I.No. 15.60.1 of SR 2016-17). | | | | | | | | |
| | | sqm | | | | | | | |
| | door | 2.25 | 2 | 0.9 | | 2.10 | 8.51 | | |
| | window | 2.25 | 2 | 1.2 | | 1.20 | 6.48 | | |
| | | | | | | | 14.99 | 104.76 | 15 |
| | *Pg No 121 It No 15.60.1 of PWD SR 2018-19* | *97.00* | | | | | | | |
| | *Basic rate* | *7.76* | | | | | | | |
| | *Area Weightage 8%* | *104.76* | | | | | | | |
| | *Final Rate* | | | | | | | | |
| 5 | KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm, weight 0.417 kg./m. shutter side outer 40mmx18mm, wall thickness 1.25mm, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.<br>using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. (P.No. 33, I.No. 7.11.2 | | | | | | | | |
| | Windows=W | sqm | | | | | | | |

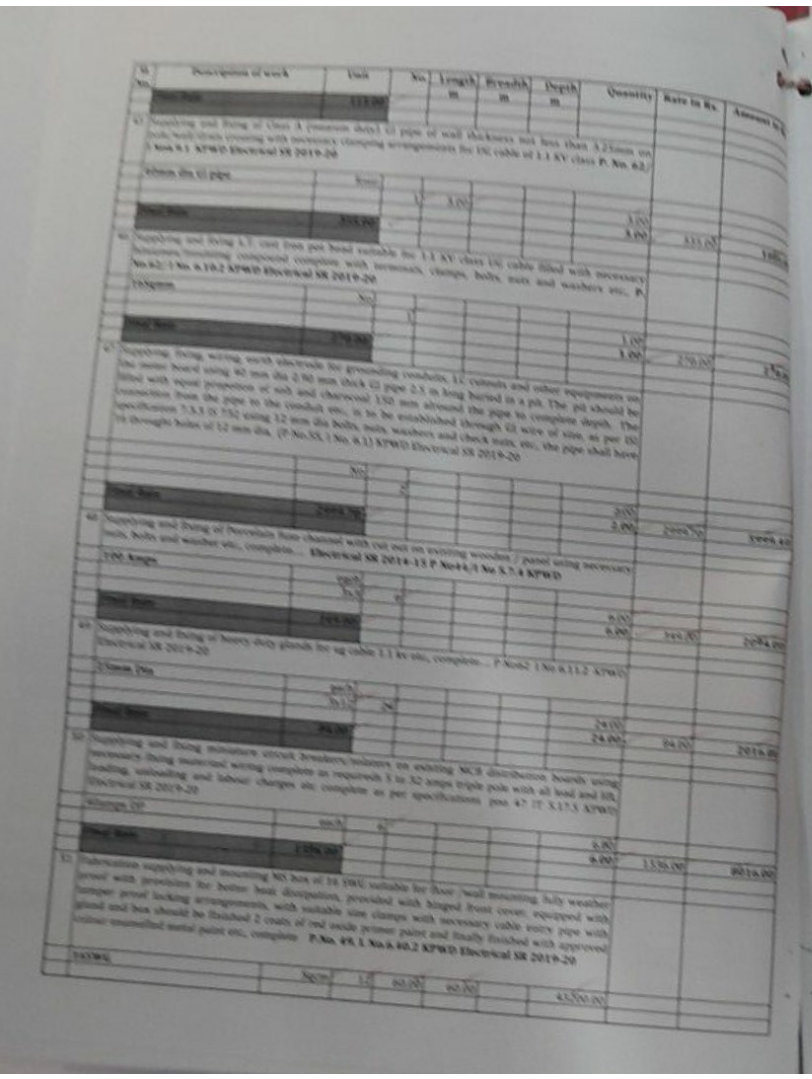
| Sl. No. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | 2 | 1.20 | | 1.20 | 2.88 | | |
| | | | 8 | 1.25 | | 4.00 | 40.00 | | |
| | | | | | | | 42.88 | 4829.76 | 207100 |
| | *Pg No 34 It No 7.11.2 of PWD SR 2018-19* | *4472.00* | | | | | | | |
| | *Basic rate* | *357.76* | | | | | | | |
| | *Area Weightage 8%* | *4829.76* | | | | | | | |
| | *Final Rate* | | | | | | | | |
| 6 | KSRB 4-7 : Providing 2 legged scaffolding for stone masonry work using 10-15 cms. dia best quality casurina poles of 4m over all length (3m +0.5m projection + 0.5m in to the ground), the distance between two rows being 1.25m and spacing of posts being 2m in both rows with 2 horizontal posts with 0.5 mm overlap on either side and braces at 2 m c to c including longitudinal and transveres middle braces to step up and providing platform with casurina poles, forms tied up using coir rope complete as per specifications | | | | | | | | |
| | For stone washing | | | | | | | | |
| | north and south side | | 2 | 15 | | 6 | 180.00 | | |
| | East and west side | | 2 | 10 | | 6 | 120.00 | | |
| | For Window fitting west side | | 1 | 9 | | 6 | 54.00 | | |
| | | | | | | | 354.00 | 141.60 | 50126 |
| | *Pg No 18 It No 4.43.3 of PWD SR 2018-19* | *120.00* | | | | | | | |
| | *Basic rate* | *12.00* | | | | | | | |
| | *Add for lift charges 6rs/floor* | *9.60* | | | | | | | |
| | *Area Weightage 8%* | *141.60* | | | | | | | |
| | *Final Rate* | | | | | | | | |
| 7 | Ventilators : Fixed lovers 4'-0" x 3'-0" (1219.2x914.4mm) (Box section) outer frame section size of 33x57mm mullion section. | | | | | | | | |
| | Ventilators | Sqm | 2 | 0.75 | | 0.60 | 0.90 | | |
| | | | | | | | 0.90 | 3760.56 | 3385 |
| | *Pg No 306 It No 38.38.4 of PWD SR 2018-19* | *3482.00* | | | | | | | |
| | *Basic rate* | *278.56* | | | | | | | |
| | *Area Weightage 8%* | *3760.56* | | | | | | | |
| | *Final Rate* | | | | | | | | |
| 8 | KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:3 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 (P.No. 131, I.No. 16.38 of SR 2016-17). | | | | | | | | |
| | | sqm | | | | | | | |
| | | | 2 | 1.60 | | 1.2 | 3.84 | | |
| | | | 3 | 3.20 | | 2.4 | 23.04 | | |
| | | | 4 | 1.85 | | 2.1 | 15.54 | | |
| | | | | | | | 42.42 | 276.48 | 11728 |
| | *Pg No 132 It No 16.38 of PWD SR 2016-17* | *256.00* | | | | | | | |
| | *Basic rate* | *20.48* | | | | | | | |
| | *Area Weightage 8%* | *276.48* | | | | | | | |
| | *Final Rate* | | | | | | | | |
| 9 | Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. | | | | | | | | |
| | **up to 3.0m** | Sqm | | | | | | | |
| | External Painting | | | | | | | | |
| | n/s wall | | 1 | 2 | 16.00 | 3.00 | 96.00 | | |
| | e/w wall | | 1 | 2 | 10.80 | 3.00 | 64.80 | | |
| | gate | | 1 | -1 | 10.40 | 3.00 | -31.20 | | |
| | | | | | | | 129.60 | 194.40 | 25194 |
| | *Pg No 120 It No 15.53.2 of PWD SR 2018-19* | *180.00* | | | | | | | |
| | *Basic rate* | *14.40* | | | | | | | |
| | *Area Weightage 8%* | | | | | | | | |

| Sl. No. | Description of work | Unit | No. | Length | Breadth | Depth | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | | |
| | ***Final Rate*** | ***194.40*** | | | | | | | |
| 10 | Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. | | | | | | | | |
| | **Above 3.0m** | **Sqm** | | | | | | | |
| | External Painting | | | | | | | | |
| | n/s wall | | 1 | 2 | 16.00 | 4.05 | 129.60 | | |
| | e/w wall | | 1 | 2 | 10.80 | 4.05 | 87.48 | | |
| | | | | | | | **217.08** | 203.04 | |
| | ***Pg No 120 It No 15.53.2 of PWD SR 2018-19*** | | | | | | | | |
| | ***Basic rate*** | ***180.00*** | | | | | | | |
| | ***Scaffolding and Lift Charges*** | ***8.00*** | | | | | | | |
| | ***Sub Total*** | ***188.00*** | | | | | | | |
| | ***Area Weightage 8%*** | ***15.04*** | | | | | | | |
| | ***Final Rate*** | ***203.04*** | | | | | | | |
| 11 | KSRRB 800-1: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 | | | | | | | | |
| | inside shelter | | | | | | | | |
| | n/s wall | | 1 | 2 | 16.00 | 2.40 | 76.80 | | |
| | e/w wall | | 1 | 2 | 10.80 | 2.40 | 51.84 | | |
| | gate | | 1 | -1 | 10.40 | 2.40 | -24.96 | 84.80 | 8493.8 |
| | | **Sqm** | | | | | **103.68** | 84.80 | |
| | ***Pg No 180 It No 24.1 of PWD SR 2018-19*** | | | | | | | | |
| | ***Basic rate*** | ***80.00*** | | | | | | | |
| | ***Area Weightage 6%*** | ~~***4.80***~~ | | | | | | | |
| | ***Final Rate*** | ***84.80*** | | | | | | | |
| 12 | KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. | | | | | | | | |
| | office room | **Sqm** | | | | | | | |
| | | | 1 | 1 | 3.10 | 3.25 | 10.08 | | |
| | | | 1 | 2 | 3.10 | 3.00 | 18.60 | | |
| | | | 1 | 2 | 3.05 | 1.50 | 9.15 | | |
| | | | 1 | 2 | 3.30 | 1.50 | 9.90 | | |
| | inside shelter | | 1 | 1 | 3.05 | 3.30 | 10.07 | | |
| | n/s wall | | 3 | 2 | 16.00 | 4.65 | 148.80 | | |
| | e/w wall | | 1 | 2 | 10.80 | 4.65 | 100.44 | | |
| | ***Pg No 119 It No 15.51.2 of PWD SR 2018-19*** | | | | | | **307.03** | 97.20 | 29 |
| | ***Basic rate*** | ***90.00*** | | | | | | | |
| | ***Lift Charges*** | ***0.00*** | | | | | | | |
| | ***Sub Total*** | ***90.00*** | | | | | | | |
| | ***Area Weightage 8%*** | ***7.20*** | | | | | | | |
| | ***Final Rate*** | ***97.20*** | | | | | | | |
| 13 | KSRB 15-18.2 : Providing and applying enamel metal paint two coats ( excluding priming coat ) **over new steel or other metal surface** brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No. 120 Item No. 15.74 of SR 2015-16). | | | | | | | | |
| | **painting for chainlink fencing** | **Sqm** | | | | | | | |
| | For Rolling shutters | | 2 | 10.9 | | 5.00 | 109.00 | | |
| | | | | | | | **109.00** | 102.60 | 11 |
| | ***Pg No 123 It No 15.74 of PWD SR 2018-19*** | | | | | | | | |
| | ***Basic rate*** | ***95.00*** | | | | | | | |
| | ***Area Weightage 8%*** | ***7.60*** | | | | | | | |
| | ***Final Rate*** | ***102.60*** | | | | | | | |

| Sl. No. | Description of work | Unit | No. | Length | Breadth | Depth | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | | |
| 14 | KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m. Specification No. KBS 7.10 / 7.12. (P.No. 31, I.No. 7.5 | | | | | | | | |
| | for entrance | Sqm | 2 | 5.2 | 5.00 | | 52.00 | | |
| | ***Pg No 33 It No7.5of PWD SR 2018-19*** | | | | | | **52.00** | 2815.56 | 146409 |
| | ***Basic rate*** | ***2607.00*** | | | | | | | |
| | ***Area Weightage 8%*** | ***208.56*** | | | | | | | |
| | ***Final Rate*** | ***2815.56*** | | | | | | | |
| 15 | KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 7.10.6 / 7.12 | | | | | | | | |
| | for entrance | RMT | 2 | 10.4 | | | 20.80 | | |
| | ***Pg No 33 It No7.6of PWD SR 2018-19*** | | | | | | **20.80** | 520.56 | 10828 |
| | ***Basic rate*** | ***482.00*** | | | | | | | |
| | ***Area Weightage 8%*** | ***38.56*** | | | | | | | |
| | ***Final Rate*** | ***520.56*** | | | | | | | |
| 16 | Supplying heavy gauge PVC conduit pipe ....dia .... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., by groove cutting in wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.(2/1.3) | | | | | | | | |
| a) | 19/20mm dia 2mm thick. (P.N0.2 I.No. 1.3.1) | Mtr | 1 | 50 | | | 50.00 | 51.00 | 2550 |
| | ***Basic rate*** | ***51.00*** | | | | | | | |
| | ***Final Rate*** | ***51.00*** | | | | | | | |
| 17 | 25mm dia 2mm thick. (P.N0.2 .I.No. 1.3.2) | Mtr | 1 | 75 | | | 75.00 | 54.00 | 4050 |
| | ***Basic rate*** | ***54.00*** | | | | | | | |
| | ***Final Rate*** | ***54.00*** | | | | | | | |
| 18 | 32mm dia 2.5mm thick. (P.N0.2 I.No. 1.3.3) | Mtr | 1 | 75 | | | 75.00 | 81.00 | 6075 |
| | ***Basic rate*** | ***81.00*** | | | | | | | |
| | ***Final Rate*** | ***81.00*** | | | | | | | |
| 19 | Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using **1100 V gradeCOPPER FRLS PVC insulated, 2x1.5SqmmCable confirming to the GTP** without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet.( page no 5/item no 2.3) GROUP A | | | | | | | | |
| a | Short point up to 3Mtr from tapping point to out let via switch box (It | Nos | | | | | 25.00 | 160.00 | |
| | ***Basic rate*** | ***160.00*** | | | | | | | |
| | ***Final Rate*** | ***160.00*** | | | | | | | |
| 20 | Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box | Nos | | | | | 25.00 | 200 | |
| | ***Basic rate*** | ***250.00*** | | | | | | | |
| | ***Final Rate*** | ***250.00*** | | | | | | | |

| Sl. No. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 21 | Long point above 6Mtr up to 10Mtr from tapping point to out let via switch box | Nos | | | | | 20.00 | 375.00 | |
| | ***Basic rate*** | ***375.00*** | | | | | | | |
| | ***Final Rate*** | ***375.00*** | | | | | | | |
| 22 | Wiring for lighting/power circuit using one of **FRLS PVC** insulated 1100v grade, multistrand **Copper with low** conductor resistance single core cable in open or concealed system of wiring **with specified IS-694:1990 & confirming to GTP of Group-A** .(page no5/Item no 2.3) | | | | | | | | |
| a | 1.5 sqmm | Mtr | | | | | | | |
| | ***Basic rate*** | ***20.50*** | | | | | | | |
| | ***Final Rate*** | ***20.50*** | | | | | 150.00 | 20.50 | |
| 23 | 2.5 sqmm | Mtr | | | | | | | |
| | ***Basic rate*** | ***32.00*** | | | | | | | |
| | ***Final Rate*** | ***32.00*** | | | | | 350.00 | 32.00 | |
| 24 | 4 sqmm | Mtr | | | | | | | |
| | ***Basic rate*** | ***45.00*** | | | | | | | |
| | ***Final Rate*** | ***45.00*** | | | | | 425.00 | 45.00 | |
| 25 | 6 sqmm | Mtr | | | | | | | |
| | ***Basic rate*** | ***70.00*** | | | | | | | |
| | ***Final Rate*** | ***70.00*** | | | | | 240.00 | 70.00 | |
| 26 | Supplying and surface/flush mounting unbreakable **PVC modular box** suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.(pg no 9/item no 3.3) | | | | | | | | |
| a | 1-3Way | Nos | | | | | | | |
| | ***Basic rate*** | ***85.00*** | | | | | | | |
| | ***Final Rate*** | ***85.00*** | | | | | 5.00 | 85.00 | |
| 27 | 4-5Way | Nos | | | | | | | |
| | ***Basic rate*** | ***103.00*** | | | | | | | |
| | ***Final Rate*** | ***103.00*** | | | | | 3.00 | 103.00 | |
| 28 | 6-8Way | Nos | | | | | | | |
| | ***Basic rate*** | ***115.00*** | | | | | | | |
| | ***Final Rate*** | ***115.00*** | | | | | 5.00 | 115.00 | |
| 29 | 10-12Way | Nos | | | | | | | |
| | ***Basic rate*** | ***160.00*** | | | | | | | |
| | ***Final Rate*** | ***160.00*** | | | | | 3.00 | 160.00 | |
| 30 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(page no 9/Item no 3.6) | | | | | | | | |
| a | 1 to 3 Module | Nos | | | | | | | |
| | ***Basic rate*** | ***110.00*** | | | | | | | |
| | ***Final Rate*** | ***110.00*** | | | | | 5.00 | 110 | |
| 31 | 4 Moudule | Nos | | | | | | | |
| | ***Basic rate*** | ***125.00*** | | | | | | | |
| | ***Final Rate*** | ***125.00*** | | | | | 3.00 | 125.00 | |
| 32 | 8 Moudule | Nos | | | | | | | |
| | ***Basic rate*** | ***200.00*** | | | | | | | |
| | ***Final Rate*** | ***200.00*** | | | | | 5.00 | 200.00 | |
| 33 | 10-12 Moudule | Nos | | | | | | | |
| | ***Basic rate*** | ***230.00*** | | | | | | | |
| | ***Final Rate*** | ***230.00*** | | | | | 3.00 | 230.00 | |
| 34 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293(pgno 10/item no 3.6) GROUP A | | | | | | | | |
| a | 6Amps one way | Nos | | | | | | | |
| | ***Basic rate*** | ***70.00*** | | | | | | | |
| | ***Final Rate*** | ***70.00*** | | | | | 5.00 | 70.00 | |
| 35 | 6Amps Two way | Nos | | | | | | | |
| | | | | | | | 3.00 | 95.00 | |

| Sl. No. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | ***Basic rate*** | ***95.00*** | | | | | | | |
| | ***Final Rate*** | ***95.00*** | | | | | 5.00 | 105.00 | |
| 36 | 6Amps 3way socket | Nos | | | | | | | |
| | ***Basic rate*** | ***105.00*** | | | | | | | |
| | ***Final Rate*** | ***105.00*** | | | | | 5.00 | 162.00 | |
| 37 | 6/16Amps universal socket | Nos | | | | | | | |
| | ***Basic rate*** | ***162.00*** | | | | | | | |
| | ***Final Rate*** | ***162.00*** | | | | | | | |
| 38 | Supplying of recess mounting non integrated type LED down light .... W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%, efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., shortcircuit & open circuit protection to be integrated in the circuit,THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.. (page no65/12.4.1) | | | | | | | | |
| | 12-15 watts | Nos | 15 | | | | 15.00 | 1360.00 | 20400 |
| | ***Basic rate*** | ***1360.00*** | | | | | | | |
| | ***Final Rate*** | ***1360.00*** | | | | | | | |
| 39 | 15-18 watts ( P No 64 ; I No 12.4.2) | No | 10 | | | | 10 | 2000.00 | 20000 |
| | ***Basic rate*** | ***2000.00*** | | | | | | | |
| | ***Final Rate*** | ***2000.00*** | | | | | | | |
| 40 | Out Door Panel Board upto 20HP(PWD SR 2018-19) page no XLVII Item n 13) | | | | | | | | |
| | | set | 1 | 1.00 | | | 1.00 | 21000.00 | **21000.00** |
| | ***Final Rate*** | ***21000.00*** | | | | | | | |
| 41 | Supplying and flush polished wood board with out front frount plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 24No.5.6.6 KPWD Electrical SR 2019-20 | | | | | | | | |
| | **20x20x2.5** | Each | | | | | | | |
| | | | 1 | | | | 1.00 | | |
| | ***Final Rate*** | ***292.00*** | | | | | **1.00** | 292.00 | **292.00** |
| 42 | Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steelstirp confirming IS 3975:1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1:1998 and confirming to GTP of group. (3.5 core 25 Sqmm) KPWD Electrical SR 2019-20 P No.55/ I No.6.4.5 | | | | | | | | |
| | | Rmtr | | | | | | | |
| | | | 1 | 35.00 | | | 35.00 | | |
| | ***Final Rate*** | ***180.00*** | | | | | **35.00** | 180.00 | **6300.00** |
| 43 | Labour charges for laying of 1.1 K.V class UG cable, In existing trencg/duct 25Sqmm to75 Sqmm) KPWD **Electrical SR 2019-20 P No. 61 / I No. 6.5.2** | | | | | | | | |
| | | Rmtr | | | | | | | |
| | | | 1 | 35.00 | | | 35.00 | | |
| | ***Final Rate*** | ***15.50*** | | | | | **35.00** | 15.50 | **542.50** |
| 44 | Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete **P No. 62 / I. No.6.6.4 KPWD Electrical SR 2019-20** | | | | | | | | |
| | | Rmtr | | | | | | | |
| | | | 1 | 35.00 | | | 35.00 | | |
| | | | | | | | **35.00** | 113.00 | **3955.00** |



| Sl No. | Description of work | Unit | No | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | Head Item | 1113.00 | | | | | | | |
| 61 | Supplying and fixing of class A (minimum duty) GI pipe of wall thickness not less than 3.25mm on rack wall clear crossing with necessary clamping arrangements for HC cable of 1.1 KV class P. No. 62/ 1 Nos 8.1 KPWD Electrical SR 2019-20 | | | | | | | | |
| | 65mm dia GI pipe | Rmt | | | | | | | |
| | | | 1 | 3.00 | | | 3.00 | | |
| | Head Item | 3.00 | | | | | 3.00 | | |
| 62 | Supplying and fixing 1.1 core iron pot head suitable for 1.1 KV class HC cable filled with necessary bitumen insulating compound complete with terminals, clamps, bolts, nuts and washers etc. P. No.62/ 1 No. 8.10.2 KPWD Electrical SR 2019-20 | | | | | | | | |
| | 11/2mm | No | | | | | | | |
| | | | 1 | | | | 1.00 | | |
| | Head Item | 1.00 | | | | | 1.00 | | |
| 63 | Supplying fixing wiring earth electrode for grounding conductor, LC cutouts and other equipments on the water board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with spent properties of soil and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3 (v 732 using 12 mm dia bolts nuts washers and check nuts, etc, the pipe shall have 16 drought holes of 12 mm dia. (P.No.55, 1 No. 8.1) KPWD Electrical SR 2019-20 | | | | | | | | |
| | | No | | | | | | | |
| | | | 2 | | | | 2.00 | | |
| | Head Item | 2.00 | | | | | 2.00 | | |
| 64 | Supplying and fixing of Perforate Rote channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete. Electrical SR 2014-15 P No64.1 No 8.7.4 KPWD | | | | | | | | |
| | 150 Kmgm | | | | | | | | |
| | | | | | | | 0.00 | | |
| | Head Item | 0.00 | | | | | 0.00 | | |
| 65 | Supplying and fixing of heavy duty glands for sq cable 1.1 kv etc, complete ... P.No62 1 No 8.11.2 KPWD Electrical SR 2019-20 | | | | | | | | |
| | 3.5mm Dia | | | | | | | | |
| | | | 12 | | | | 24.00 | | |
| | Head Item | 24.00 | | | | | 24.00 | | |
| 66 | Supplying and fixing miniature circuit breakers, isolators on existing MCB distribution boards using necessary fixing materials/ wiring complete as required 1 to 32 amps triple pole with all load and SIL loading, unloading and labour charges etc complete as per specifications. pno 47 IT 8.17.3 KPWD Electrical SR 2019-20 | | | | | | | | |
| | 63amps DP | | | | | | | | |
| | | | | | | | 6.00 | | |
| | Head Item | 6.00 | | | | | 6.00 | | |
| 67 | Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting fully weather proof with provisions for better heat dissipation, provided with hinged front cover, equipped with hamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc, complete. P.No. 49, 1 No 8.40.2 KPWD Electrical SR 2019-20 | | | | | | | | |
| | 1415WG | | | | | | | | |
| | | Kgs | 1.0 | 60.00 | 60.00 | | 4150.00 | | |

| Sl No. | Description of work | Unit | No | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | Head Item | 0.12 | | | | | 43200.00 | 0.35 | 15120.00 |
| | | | | | | | A.Civil Works Total Construction Cost | | 1793730 |
| | | | | | | | B.Electrical works Total Construction Cost | | 124029 |
| | | | | | | | Add for 15HP 3Phase power supply (including BESCOM charges) | | 40000 |
| | | | | | | | Add GST Charges 12% | | 230529 |
| | | | | | | | Sub Totals | | 2260767 |
| | | | | | | | Miscellaneous & Rounding off | | 11733 |
| | | | | | | | Total | | 2280000 |

Certificate

1) The stockpost was inspected and work is found to be necessary.
2) The area comes within the Bruhat Bengaluru Mahanagara Palike limits.
3) The rates adopted based on the PWD SR, Bangalore circle for year 2016-17& KPWD Electrical SR 2019-20
4) The provisions made in the estimate are necessary and essential.

Assistant Engineer
BBMP, Bangalore

Executive Engineer
BBMP, Bangalore